

## 中国石竹科石头花属二新种

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### TWO NEW SPECIES OF *Gypsophila* L. (CARYOPHYLLACEAE) FROM CHINA

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**Abstract** *Gypsophila huashanensis* Y. W. Tsui et D. Q. Lu and *G. spinosa* D. Q. Lu (Caryophyllaceae) are described as new from China.

**Key words** *Gypsophila*; *G. huashanensis*; *G. spinosa*

**关键词** 石头花属; 华山石头花; 刺序石头花

#### 华山石头花 新种 图 1

***Gypsophila huashanensis*** Y. W. Tsui et D. Q. Lu, sp. nov. (Sect. *Corymbosae* Bark. )

Affinis *G. tschiliensi* J. Krause, a qua floribus pluribus in cymam capitato-corymbosam congestis, pedicellis 2—3 mm longis, calycibus 2—3 mm longis, eorum dentibus obtusis, staminibus et stylis exsertis, raphibus acute verrucosis differt.

Herba perennis, planta tota glabra, 20—50 cm alta. Radix lignosa interdum crassiuscula. Caules laxae caespitosi, erecti, superne ramosi. Folia lineari-lanceolata, 2—4 cm longa, 2—5 mm lata, apice acuta, deorsum angustata et basi connata, subtus costa elavata. Flores plures in cymam capitatocorymbosam apicalem vel axillarem congesti; pedicelli tenues, 2—3 mm longi; bractae ovatae, apice acutae, 1—3 mm longae, glabrae, scariosae; calyx campanulatus, 2—3 mm longus, nervis 5 brunneo-purpureis, inter nervos albimembranaceus, calycis dentibus obtusis scarioso-marginatis; petala alboroseola, oblongo-oblancheolata, c. 5 mm longa, apice retusa vel tridentata; stamina 10, petalis longiora vel breviora, exserta, filamentis linearibus, basi latioribus; ovarium ovoideum, c. 1 mm longum; styli 2 filiformes filamentis longiores. Capsula ovoidea, persistenti calyce paulo longior. Semina orbiculari-reniformia brunnea, utrinque elevato-striata,

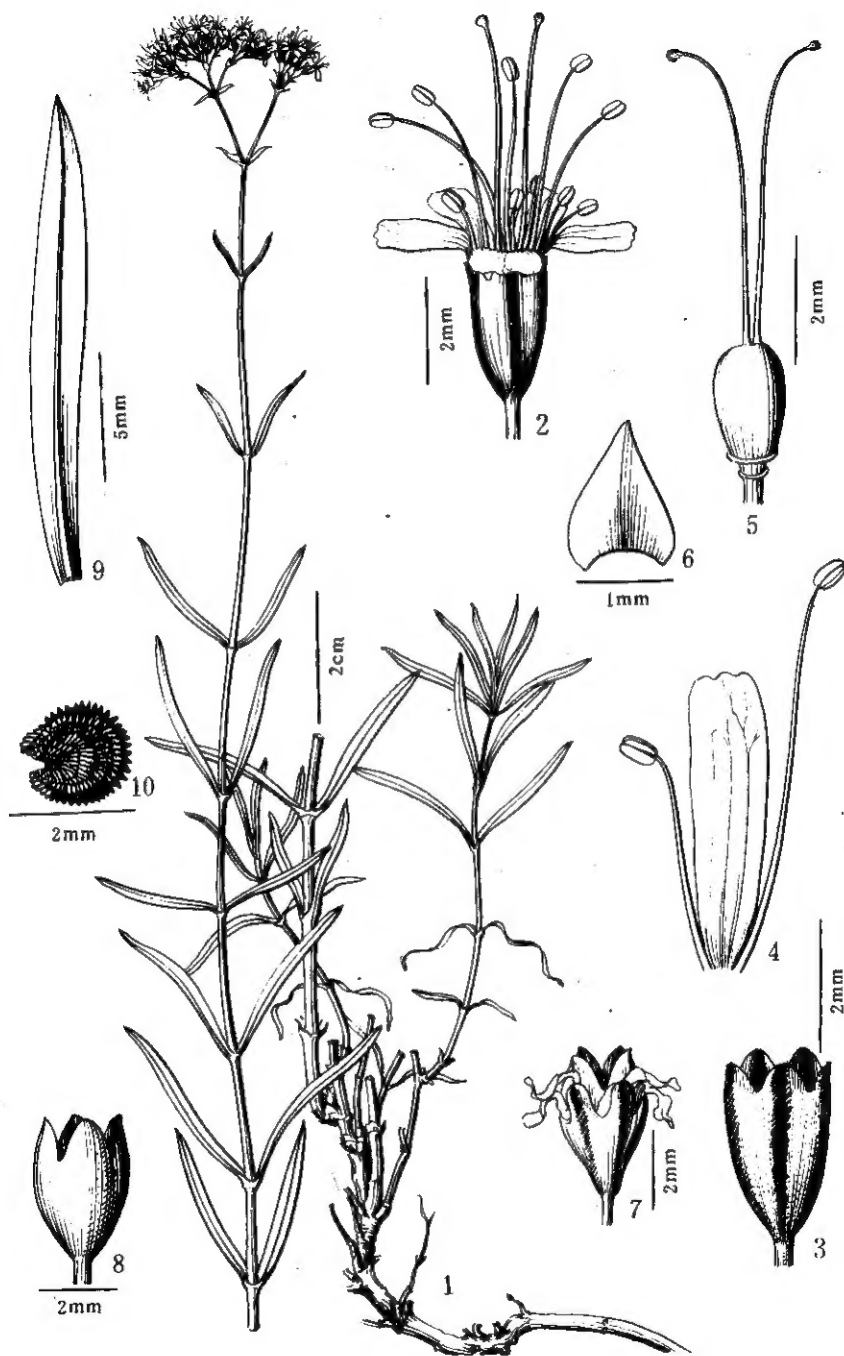


图1 华山石头花 1. 植株; 2. 花; 3. 花萼; 4. 花瓣和雄蕊; 5. 雌蕊; 6. 苞片; 7. 带花萼和干花瓣的蒴果; 8. 蒴果; 9. 叶; 10. 种子。(李志民绘)

Fig. 1 *Gypsophila huashanensis* 1. plant; 2. flower; 3. calyx; 4. petal and stamen; 5. pistil; 6. bract; 7. capsule with calyx and dry petals; 8. capsule; 9. leaf; 10. seed.

raphibus acute verrucosis. Fl. VII—VIII, Fr. VIII—IX.

Shaanxi (陕西): Hua Shan (华山), Xifeng (西峰), alt. 2000 m, in crevice, 1966.08.10, T. P. Wang. (王作宾) 19650 (Holotype, WUG) (Isotypes, KUN, NWBI, PE), ibid., 1980. 08.16, Z. Y. Zhang (张志英) 18415; Beifeng (北峰), 1973.

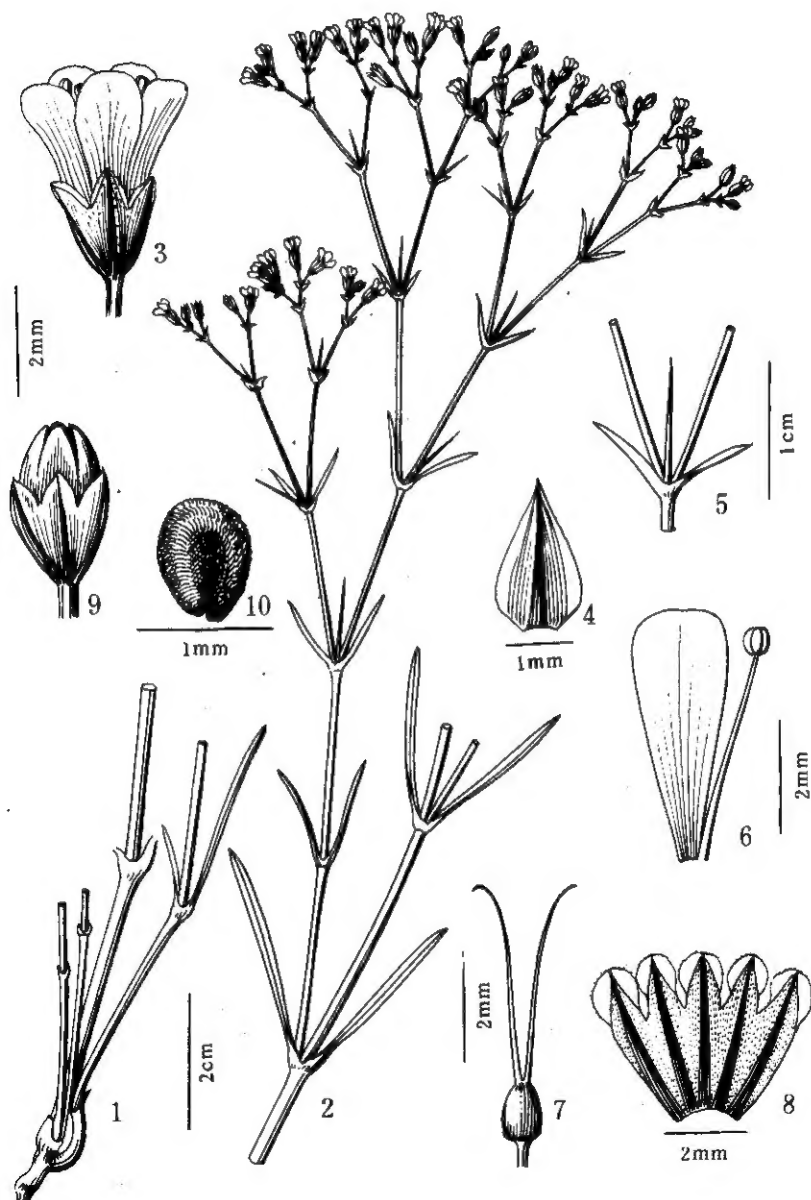


图2 刺序石头花 1. 植株下部; 2. 植株上部; 3. 花; 4. 苞片; 5. 花序分歧处的刺; 6. 花瓣和雄蕊; 7. 雌蕊; 8. 展开的花萼; 9. 带萼蒴果; 10. 种子。(李志民绘)

Fig. 2 *Gypsophila spinosa*: 1. plant (lower part); 2. plant (upper part); 3. flower; 4. bract; 5. spine at branching point of inflorescence; 6. petal and stamen; 7. pistil; 8. opened calyx; 9. capsule with calyx; 10. seed.

07.09, S. Q. Zhong (仲世奇) 145; qunxianguan (群仙观), alt. 1420m 1973.08.05, K. T. Fu (傅坤俊) 16881; *ibid.*, alt. 1400m, 1978.09.15, Z. Y. Zhang 18240; wuliguan (五里关), alt. 660m, 1973.09.20, H. J. Wang (王宏杰) 61.

本种与河北石头花 *G. tschiliensis* J. Krause 相近, 不同在于花多数, 密集成头状伞房聚伞花序, 花梗长 2—3 mm, 花萼长 2—3 mm, 萼齿钝, 雄蕊和花柱伸出, 种脊具尖疣状凸起。

### 刺序石头花 新种 图 2

***Gypsophila spinosa* D. Q. Lu, sp. nov. (Sect. Corymbosae Bark.)**

Haec species ab omnibus speciebus differt inflorescentia inter furcas dichotomiarum spinifera.

Herba perennis, 30—50 cm alta. Radix crassa, lignosa. Caulis erectus, totus glaber. Folia linearia carnosa, 1—4.5 cm longa, c. 1 mm lata, apice acuta, basi connata. Dichasium corymbus laxus, inter furcas dichotomiarum spinifer, spinis 2—10 mm longis; pedicelli 1—5 mm longi; bractea deltoidea scariosa; flores roseoli, pallide purpurei vel albi, 4—5 mm longi, 3—4 mm diam.; calyx campanulatus, 2—3 mm longus, 5-dentatus, dentibus acutis, deltoideis vel ovatis, scarioso-marginatis; petala 5, cuneata, apice retusa, c. 4 mm longa, c. 1 mm lata; anthera globosa, filamento lineari, petalo subaequilongus; ovarium globosum, ovulis 5—8; styli 2 filiformes. Capsula globosa, 4-valvata. Semina brunnea ovoidea, c. 1 mm longa, lineari-verrucosa. Fl.—Fr. VII—IX.

**Xinjiang (新疆):** Beitun (北屯), Ertix He (额尔齐斯河), north bank, alt. 580m, in gobi sands, 1964.07.23, G. S. Qin (秦官属) 107 (Holotype, WUG); *ibid.*, alt. 640m, 1965.07.26, T. Y. Chou et al. (周太炎等) 652002; Beitun forestry centre (北屯林场), alt. 550m, in gobi, 1964.08.30, G. L. Chu et al. (朱格麟等) 7026; Altay (阿勒泰) south gobi sands, Baerbagai (巴尔巴改) 28 regiment farm (28 团农场), alt. 550m, 1956.09.07, R. C. Ching (秦仁昌) 2803; Burqin (布尔津), alt. 925m, in gravel gobi, 1964.09.05, G. L. Chu et al. (朱格麟等) 6623; Jeminay (吉木乃), on sand-hill, 1982.08.07, Y. X. Liu et X. L. Yang (刘嫫心、杨喜林) 82567.

本种花序分歧处具刺与其他所有种不同。